USER MANUAL

7” Touch Screen

Video Door Phone



Table of Contents

WARNING AND CAUTION

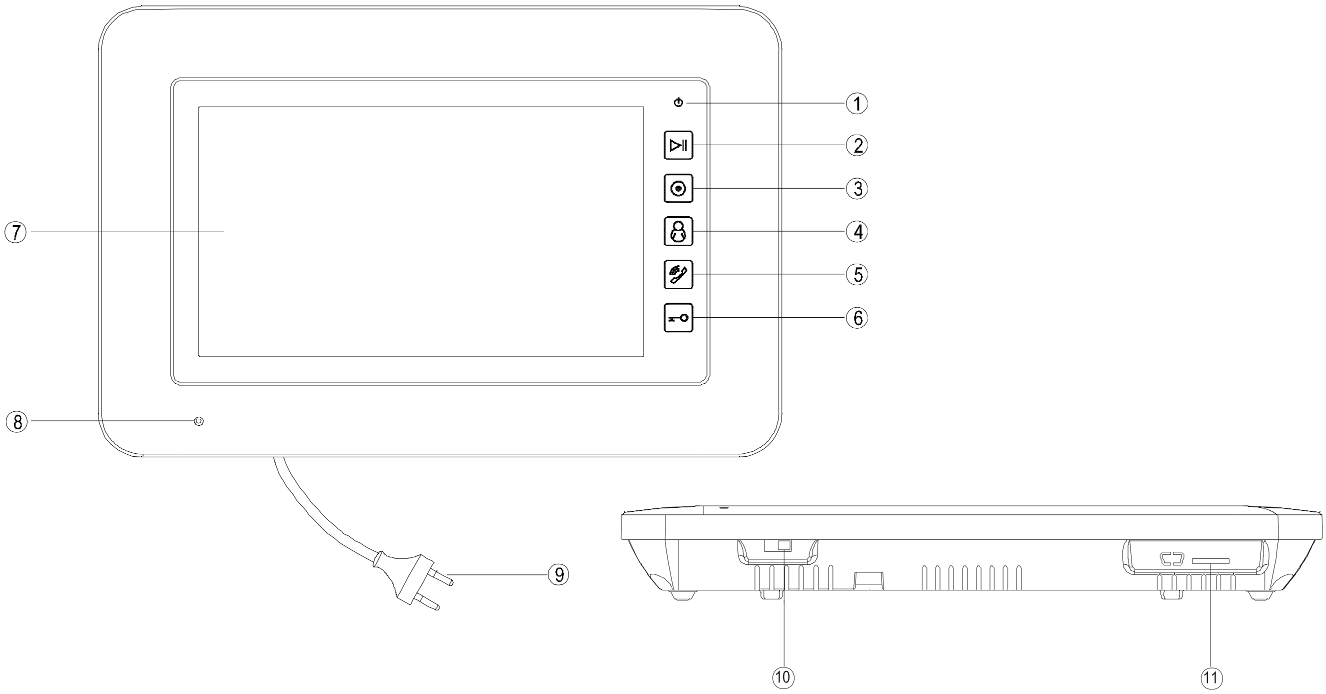
Please make sure to follow the instructions to prevent any danger or property losses

	**Warning: Death or serious injury are expected**
	Do not disassemble, install, or repair this product on your own accord
	Do not place the product near a hot or humid place
	Do not forcibly bend the cord or put a heavy object on the product
	Do not use water, thinner or a detergent used to wash oil products when you wash the exterior
	Do not connect to other products while in use
	Make sure to clean it by using a dry cloth to prevent any breakdown or electric shock
	If the product emits a peculiar noise, odor or smoke, immediately cut off the power, and then contact the service center
	Do not put the plug in the socket with a wet hand

	**Caution: An injury or property losses are expected**
	Make sure that dust or foreign substances are not gathered on the product
	Make sure to prevent foreign substances from entering the product
	Avoid direct rays of the sun or heating devices at a time of installation
	Install the product in a flat and stable place
	Pull the plug if the product is not used for a long time
	Do not unplug the TF card when recording, this generally will cause loss of data

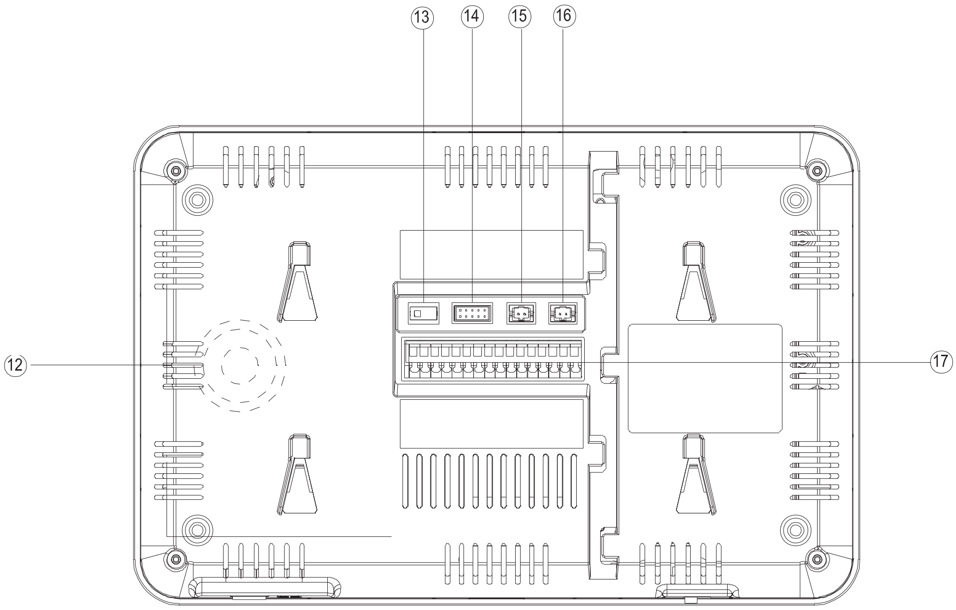
1. Name and Functions of Each Part

1.1 Front Part



NO.	Part Name	Description
1	Power Indicator	
2	Review Button	Touch button for reviewing picture or video
3	Intercom Button	Touch button for intercom
4	Monitor Button	Touch button for monitoring
5	Talk Button	Touch button for talking with visitor
6	Door Release Button	Touch button for releasing door
7	Touch Screen	7 inch touch screen
8	MIC	Microphone
9	Power Cable	AC power cable
10	Power Switch	
11	TF Card Slot	Socket for TF card

1.2 Rear Part



NO.	Part name	Function
12	Speaker	Loud speaker
13	75Ω Switcher	Impedance matching for video signal
14	Video Input /Output	CCTV1 / CCTV2 / CCTV3 / CCTV4 / video out (2 wire in polarity)
15	DC Power	14.5V DC supply
16	Telephone	Interface for the telephone line
17	Connection Interface	Interface for door station 1/door station 2 /extensions /audio phone

2. Features and Functions

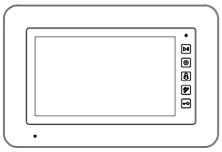
2.1 Features

- 7” TFT-touch screen, 800*480 Resolution
- Support 2 door stations, 4 CCTV cameras, 1 master monitor + 3 extension monitors, 1 audio phone and 1 CCTV output
- Built-in flash memory:100 pictures
- Support telephone function and call forwarding
- TF card: 1024 images and 128 videos
- 16 melodies for different door stations
- Support motion detection
- Leaving voice messages to family & visitors
- Point-to-point intercom and broadcast
- Support digital photo frame

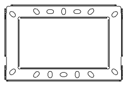
2.2 Main Functions

- Monitoring and talking with a visitor
- Door lock release
- Support AC/DC power input
- Support multi-language
- Do-not-disturb function
- Date and time display
- Surface mount

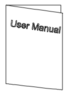
3. Packing Contents



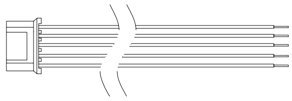
Main Body



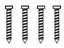
Wall Bracket



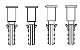
User Manual



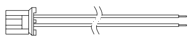
CCTV Wire
2*5pin cable for 4* CCTV IN
and 1*CCTV OUT



Wall Bracket
Mounting Screw



Plastic Expansion Pipe



2pin DC input cable



2pin cable for telephone

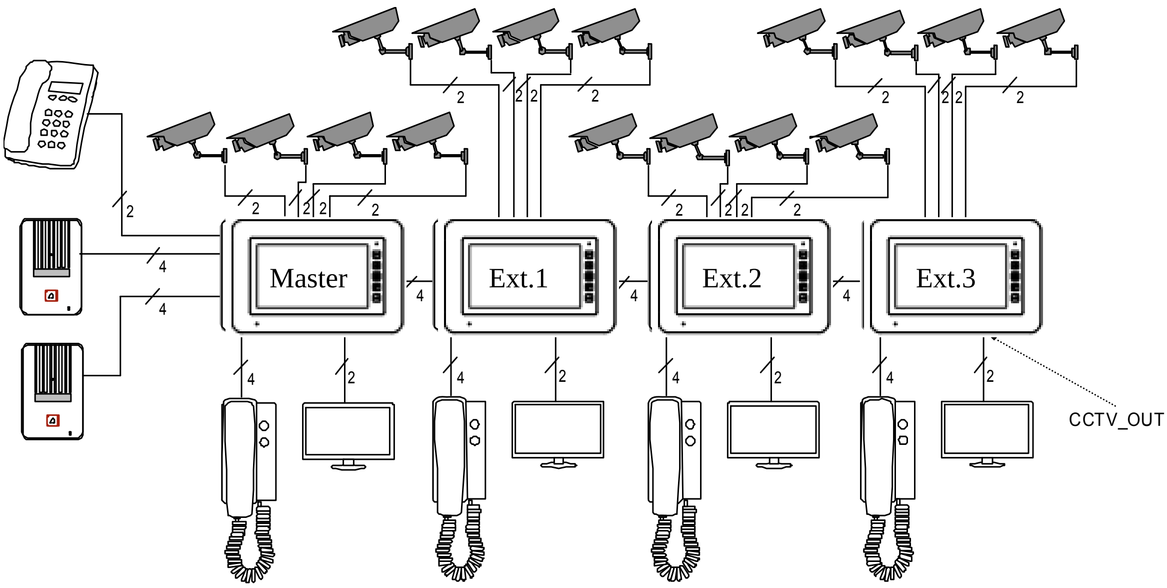
4. Connection Diagram

4.1 System Layout

There are two CCTV connection modes.

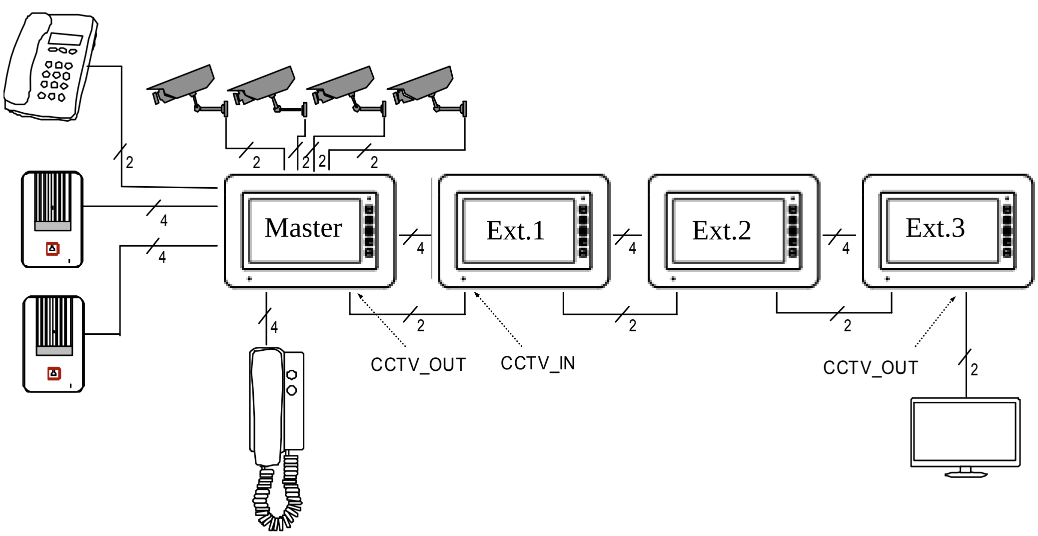
❖ CCTV connection mode 1

Each monitor can connect to different CCTV, and can only monitor the directly connected CCTV (Extensions ≤ 3).



❖ CCTV connection mode 2

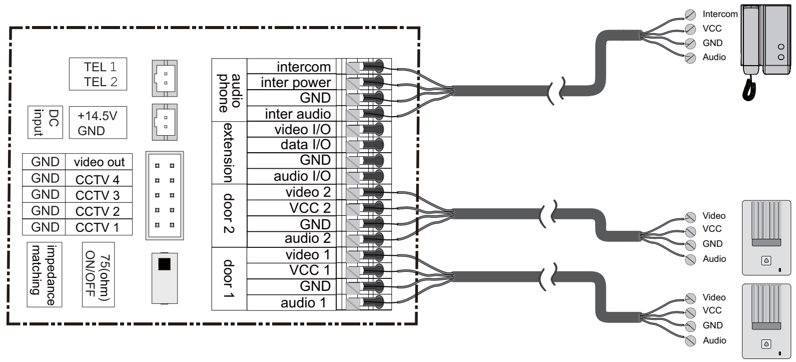
Only master monitor can connect to CCTV, extensions get CCTV video from the master. The extensions monitor CCTV by sending requests to the master. Only one monitor can monitor CCTV at a time.



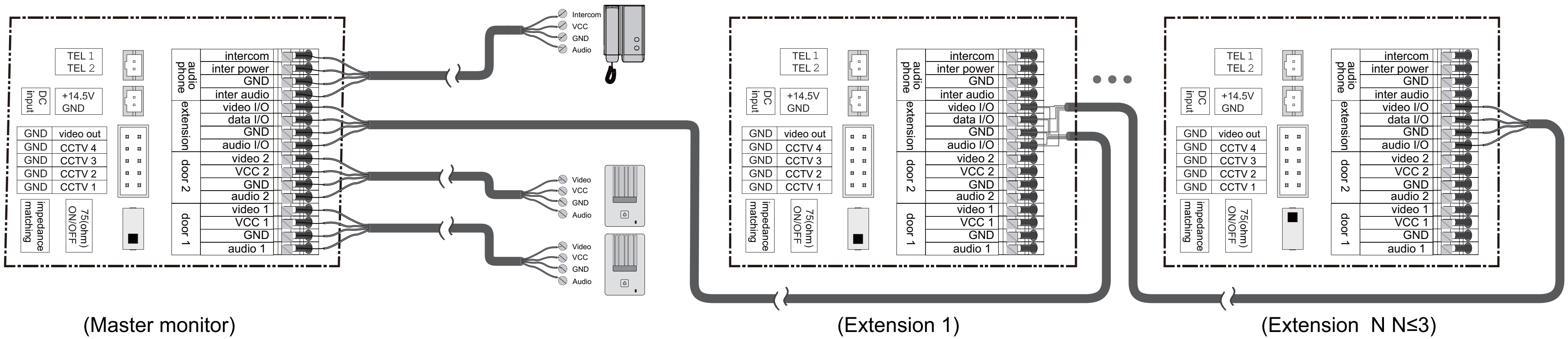
4.2 Wiring Diagram

Please be careful to wiring on polarity.

❖ Intercom wiring diagram with one monitor

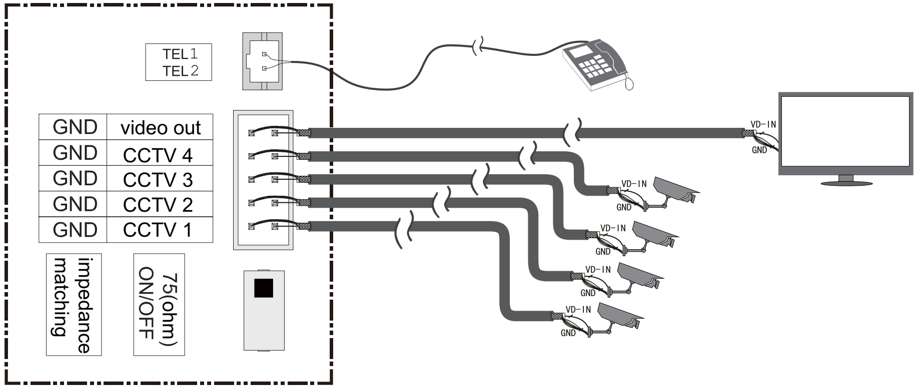


❖ Intercom wiring diagram with master monitor and extensions (pay attention to the impedance matching switch)



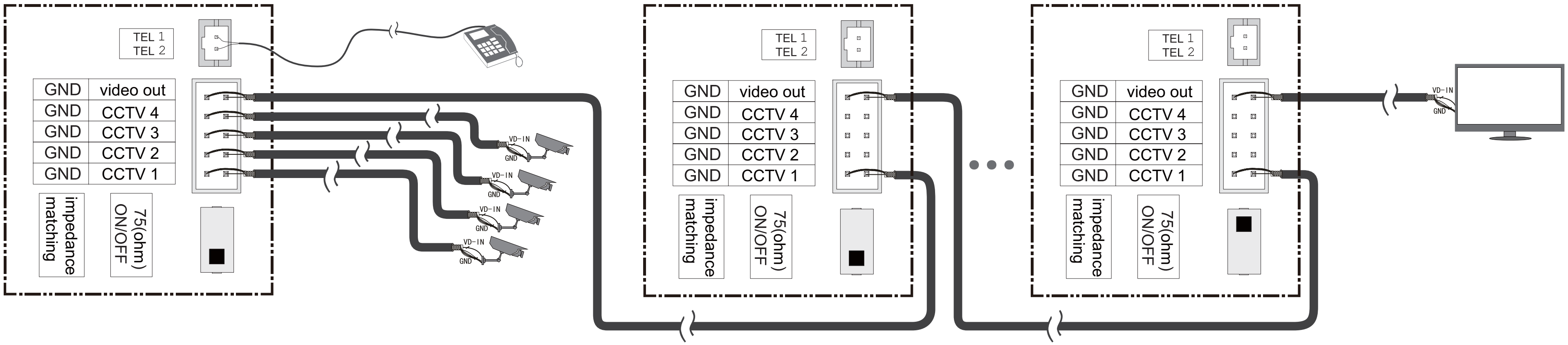
❖ CCTV connection mode 1

Each monitor can connect to different CCTV, can and can only monitor the connected CCTV.



❖ CCTV connection mode 2

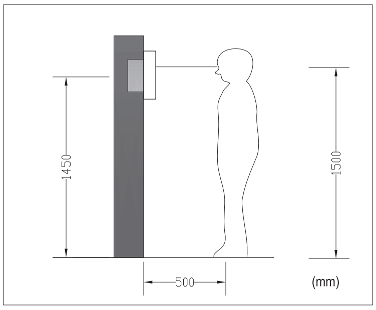
Only the master can connect to CCTV, extensions get CCTV video from the master. The extensions monitor CCTV by sending requests to the master. Only one monitor can monitor CCTV at a time (pay attention to the impedance matching switch).



(Master monitor) (Extension 1) (Extension N N≤3)

5. Installation

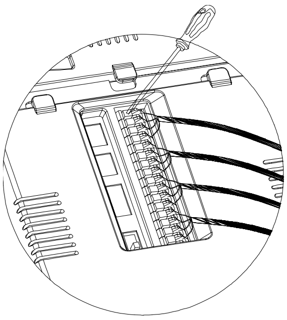
5.1 Installation location



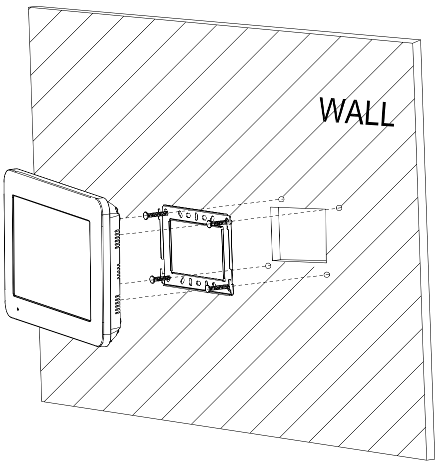
◆ **Monitor installation location**

Standard monitor installation height is about 1,500mm where screen center is at eye level; in this case, wall-hanging metal center is 1,450mm above ground level.

5.2 Wire & Monitor Installation



1) Push down the button with screwdriver
2) Put the wire into the hole from the bottom
3) Release the screwdriver
4) Check the fastness of the wire



5) Remove wall-hanger bracket behind monitor
6) Install wall-hanger bracket
7) Connect wires to back terminal of monitor, referring to connection diagram
8) Hang monitor on wall-hanging, and fix monitor on wall-hanger bracket
9) Plug monitor’s power plug into power socket

6. Operation Description

6.1 Main Screen

It will show corresponding functions when pressing each icon on main screen.



❖ **Icon Definition:**

		Home/Leaving/Do Not Disturb	
	enter **[Camera]**		enter **[CCTV]** page
	enter **[Video]** page		enter **[Image]** page
	enter **[Voicemail]** page		enter **[Photo Frame]** page
	enter **[Intercom]** page		enter **[Telephone]** page
	enter **[Setting]** page		turn off screen

In **[Leaving]** mode, when door station calls in, the monitor will play the voicemail to visitor, if the voice message is recorded and been set in the **[Setting]** page. In **[Do not Disturb]** mode, when door station calls in, the monitor will be mute.

Remark: To set the voicemail, please see 6.7

6.2 Visitor Call

When door station calls in, the visitor's image will be shown on the monitor screen (on-screen duration 90 seconds).



❖ **Icon Definition:**

	back to **[Main Screen]**		talk
	switch between door stations and CCTVs		record video
	adjust display parameters		call transfer manually
	open the door		turn off screen

When a door station calls in, press **[Talk]** to start to talk; press **[Talk]** again to terminate the talk.



During the talk:

- press **[Change]** to switch to other door station or CCTV, and the current talk will be terminated.
- press **[Record]** to record a video clip or capture a picture from the calling door station, depending on the system setting (see 6.7).
- press **[Setting]** to adjust the sound volume, brightness, color and contrast.



- press **[Transfer]** to transfer the current call to other extension monitors.
- press **[Open]** to release door.
- press **[Exit]** or **[Home]** to end the talk.

6.3 Monitor Function

When you press the **[Camera1]**/**[Camera2]** or **[CCTV1]**/**[CCTV2]**/**[CCTV3]**/**[CCTV4]** icon on main screen, the system will enter monitor mode, and will show image from the corresponding door station/CCTV.

Remark: The **[Transfer]** buttons will be in disable status under monitor mode.

6.4 Multimedia

6.4.1. Image & Video Storage

If you insert TF card, monitor can record image and video, if you do not insert TF card, monitor can only record image.

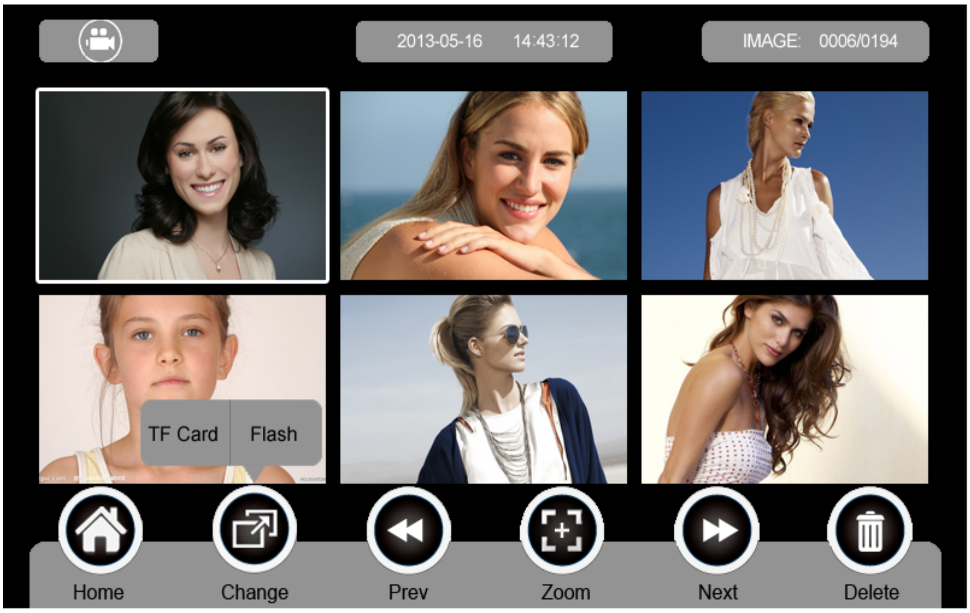
Maximum Capacity: TF card: 1024 images and 128 videos

Built-in flash memory: 100 images

When full, the newest image/video will automatically overwrite the oldest image/video.

6.4.2. Image & Video Review

Press **[Image]** or **[Video]** on main screen, you can review the image/video. There are 6 Images/Videos in one page. The image/video with white borderlines means that the image is selected.

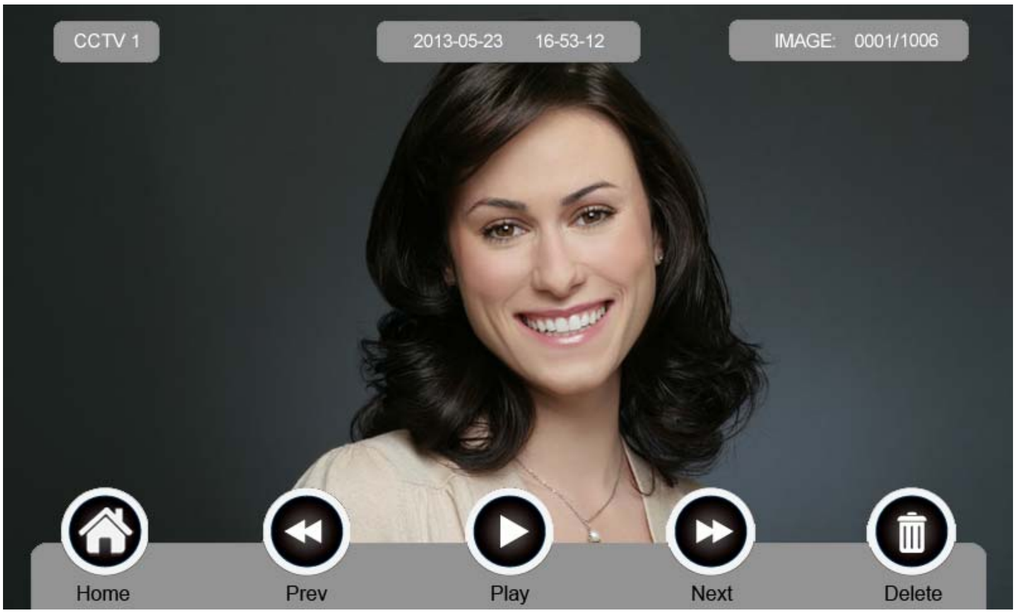


❖ **Icon Definition:**

	return to **[Main Screen]**		switch between TF card and flash memory
	show previous page		zoom in/out image and video

	show next page		delete the selected image/video

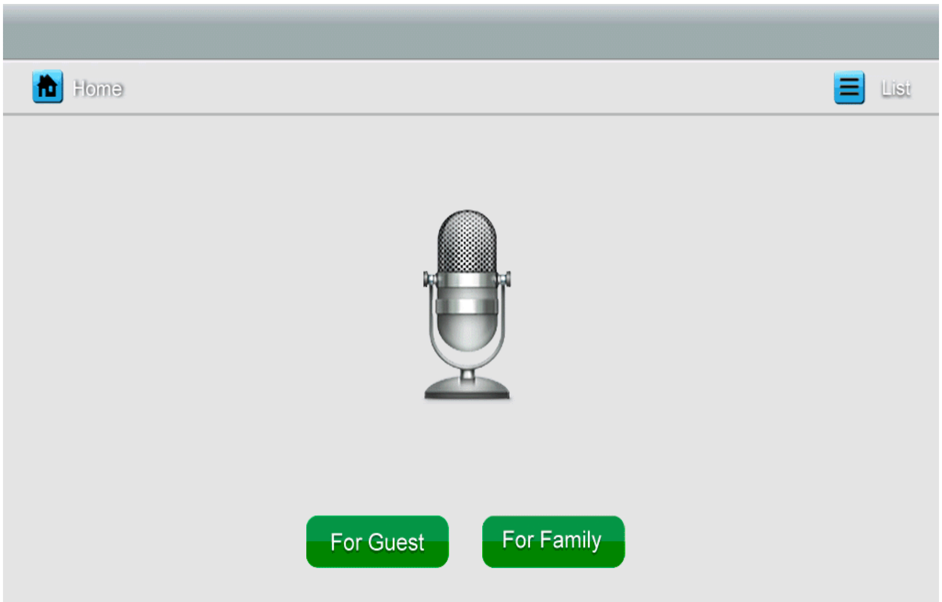
You can press the icon  or  on the top left corner to switch **[Image]/[Video]** review mode.



6.4.3. Voicemail Function

❖ **Audio Message Record**

Press **[Voicemail]** on main screen to record an audio message.



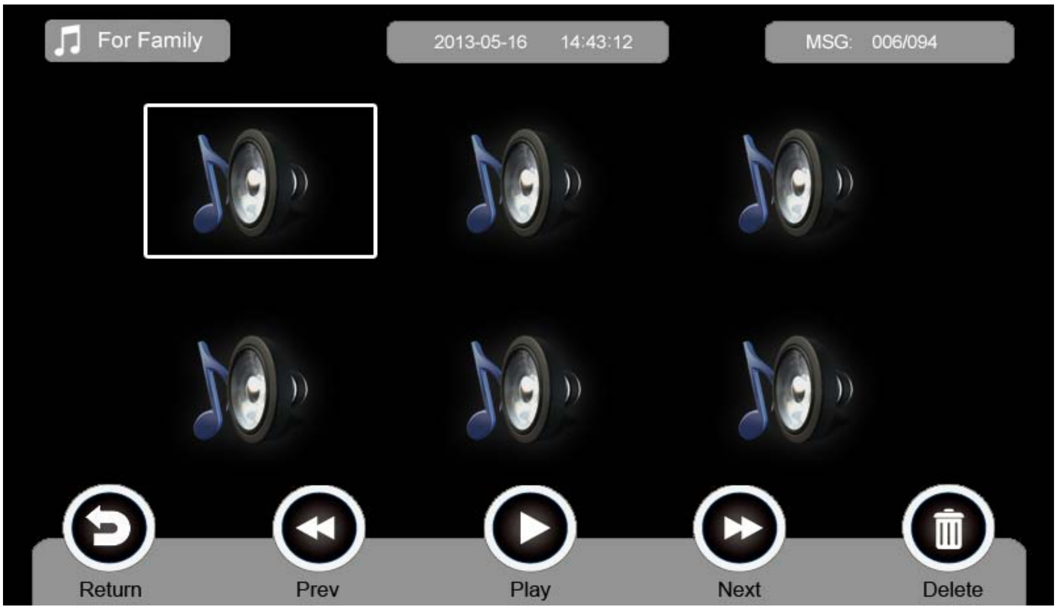
❖ **Icon Definition:**

	return to **[Main Screen]**		List: view audio message
For Family	leave a voice message for family	For Guest	leave a voice message for guest

Press **[For Guest] / [For Family]**, enter the recording page to record voice message. Monitor support up to 30s for each message.

❖ **Review Audio Record**

Press ☰ to review records.



❖ **Icon Definition:**

	return to **[Main Screen]**		play previous clip
	play		play next clip
	delete		

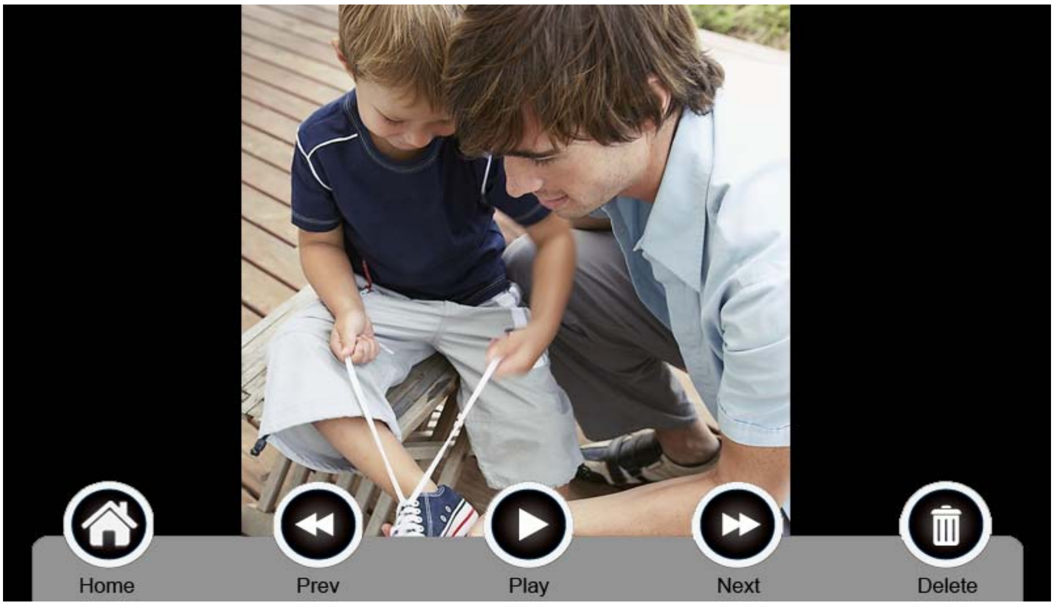
For Family / For Guest : Switch between family message list and guest message list.

Remarks:

- ◆ Up to 32 messages for family and 2 messages for guest. When full, the newest message will automatically overwrite the oldest message
- ◆ This function can be supported with TF card only.

6.4.4. Photo Frame Function

Press **[Photo Frame]** on main screen, monitor will play the image one by one automatically.



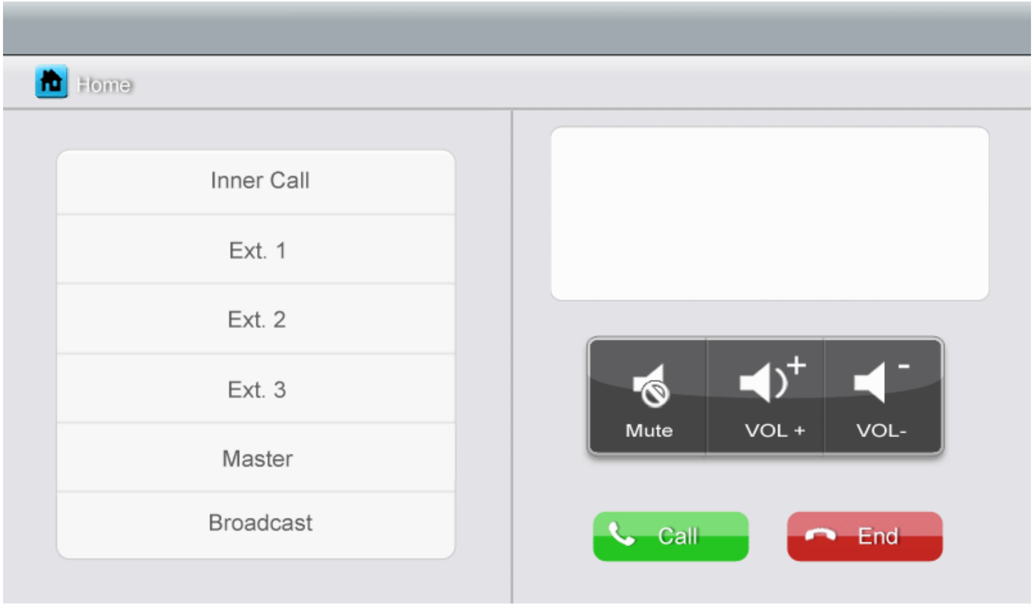
❖ **Icon Definition:**

	return to **[Main Screen]**		show previous image
	display image		show next image
	delete		

Remark: Only photos with specific format can be shown in the photo frame.
To convert the photo, please see Appendix I.

6.5 Intercom Function

Press the **[Intercom]** icon on main screen, choose the monitor you want to call, and then press **[Call]**, and then you can talk with the corresponding monitor.



❖ **Icon Definition:**

[Inner Call]	call the audio phone
[Ext. 1]	call extension monitor 1
[Ext. 2]	call extension monitor 2
[Ext. 3]	call extension monitor 3
[Master]	call master monitor
[Broadcast]	call all monitors



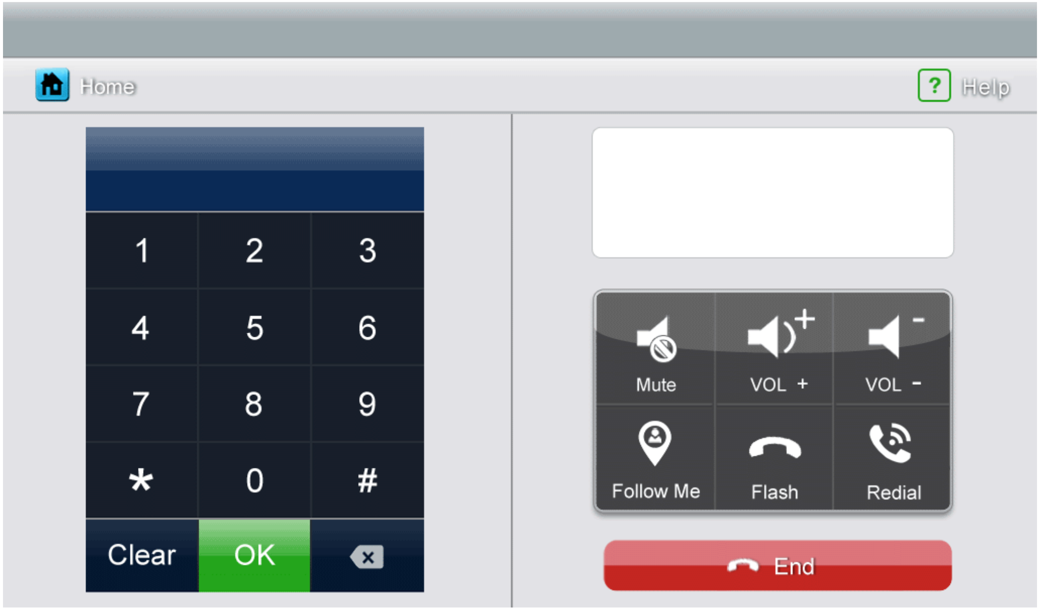
: In the **[Intercom] p**age, you can enable/disable **[Mute]** function, and adjust the volume.

To set intercom address: please see **[Setting] → [Intercom].**

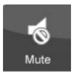
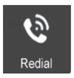
6.6 Telephone

The Monitor can support telephone function:

- Make and receive a telephone call
- Transfer the call from door station to a specific mobile phone or fixed phone and control the door station via telephone.



❖ **Icon Definition:**

	enable/disable **[Mute]** function
 	adjust volume
	enable/disable call forwarding function
	**[Call Forwarding]** function is enable
	reset phone
	redial

6.6.1. Call Forwarding Function

To use call forwarding function, you need set a forwarding telephone number, please take the following steps:

1. Press **[Telephone]** icon on main screen, enter **[Telephone]** page
2. Set a telephone number you want to forward:

   1 → Phone Number → # → OK

   Remark: The tel. number should be within 20 numbers.

3. Check the telephone number:

   2 → # →OK

4. Set ring time before call forwarding,

5 → Ring Time → # → OK

Remark: The ring time range = **[1s ~ 30s]**, and you must input 2 figures.

❖ **For example:**



1. Set "**123**" as forwarding phone number	2. Check the phone No. you set	3. Set the waiting time: "**06s**"

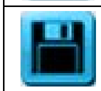
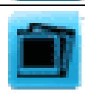
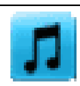
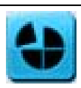
6.6.2. Control the Door Station by Telephone

When no one answers the call from door station, the call will be transferred to your telephone. During the talk, input **2 + '#'** to open the door.

6.7 Setting page

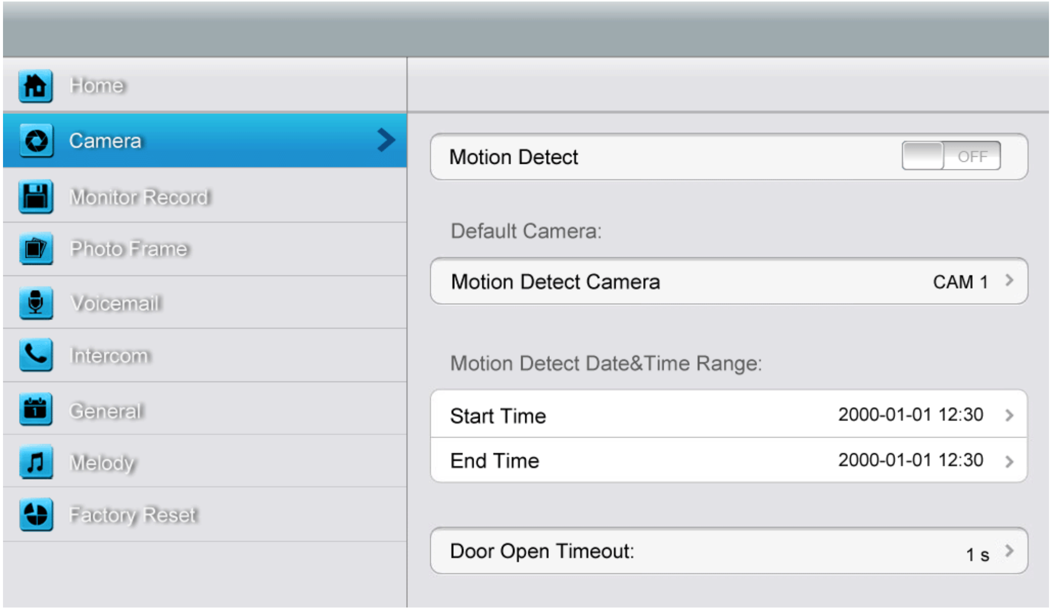
Press **[Setting]** icon to set up the system.

❖ **Icon Definition:**

	return to **[Main Screen]**		enter **[Camera]** setting page
	enter **[Monitor Record]** setting page		enter **[Photo Frame]** setting page
	enter **[Voicemail]** setting page		enter **[Intercom]** setting page
	enter **[General]** setting page		enter **[Melody]** setting page
	restore factory setting		

❖ **Remarks:** The **[Photo Frame]** setting is not available in this version.

❖ **[Camera]** setting page

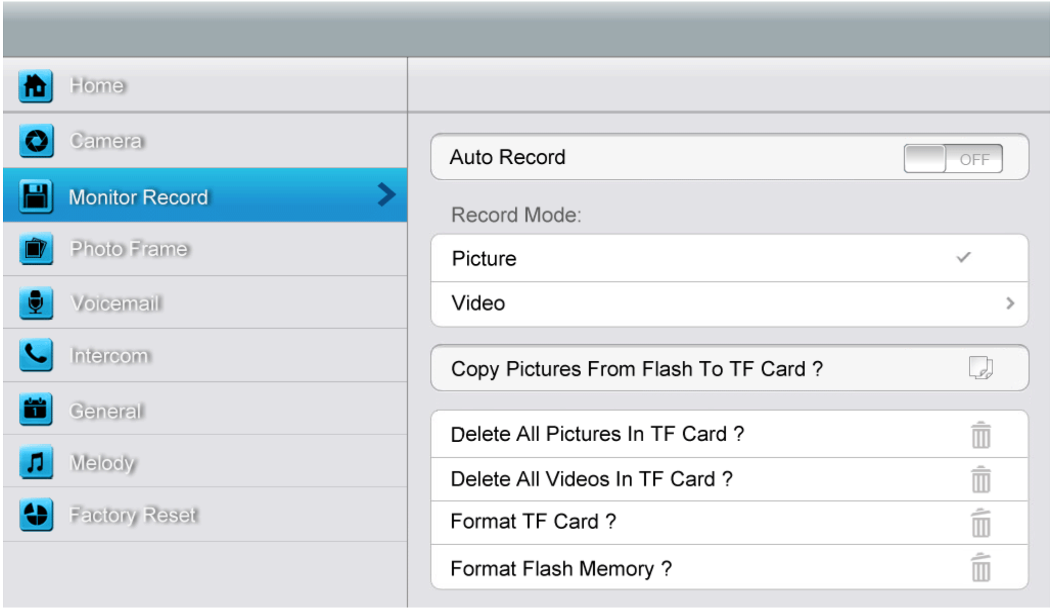


In this page, you can turn **[Motion Detect]** on or off, set one camera as default for monitoring, set default camera for motion detection, set detection start & end time and set door open timeout.

- To set a default camera for motion detection, enter into option list:
  CAM1/CAM2/CCTV1/CCTV2/CCTV3/CCTV4
  Choose one option → Press **[Return]** button.
- To set time range for motion detection, you can set the start time and the end time.
- To set door open timeout, enter into option list:
  1 s/2 s/3 s/Open While Pressing
  Choose one option 错误！未找到引用源。 Press **[Return]** button.

Remark: Once a moving object is detected, camera will automatically capture a video of 15s. When monitoring door station or CCTV, motion detection will pause until the monitoring ends.

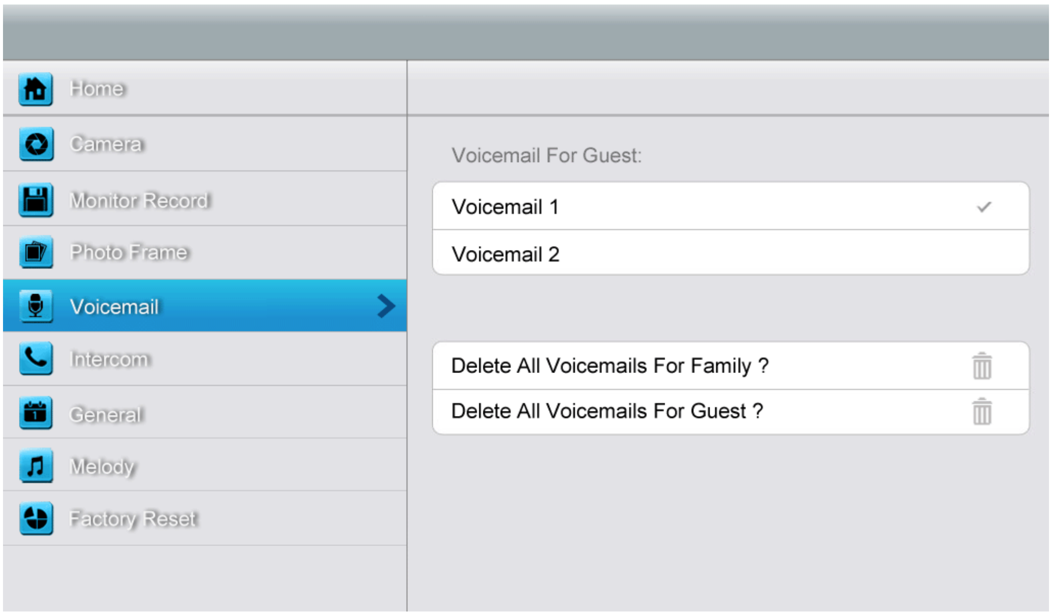
❖ **[Monitor Record]** setting page



In this page, you can

- Turn **[Auto Record]** on or off. If **[Auto Record]** is on, the monitor will capture pictures or videos automatically, when door station calls in.
- Select picture or video record mode. To set video recording timeout, enter into drop-down option list: 15 s/30 s/60 s.
- Copy/delete pictures and videos.
- Format TF card and flash memory.

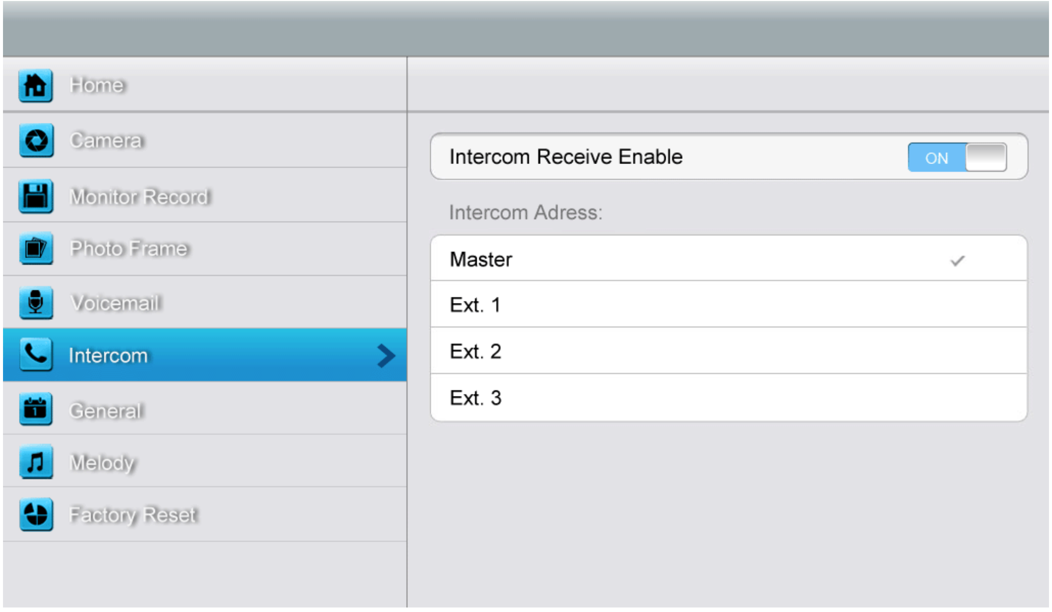
❖ **[Voicemail]** setting page



In this page, you can select one voicemail for guest as the message to play under **[Leaving]** mode.

Remark: The Voicemail message is stored on the TF card. This configuration will be invalid if there is no valid TF card inserted. To record message for guest, please see 6.4.3.

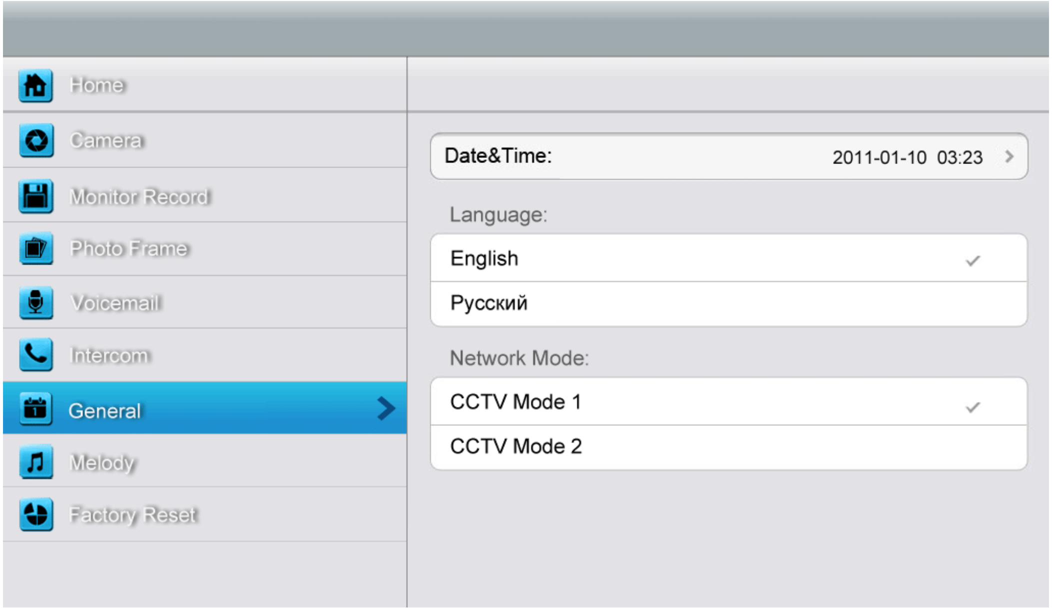
❖ **[Intercom]** setting page



In this page, you can

- Turn **[Intercom Receive Enable]** on or off.
- Set up intercom address. Main monitor should be set up as "Master", extension monitors should be set up as "Ext.1","Ext.2","Ext.3" successively.

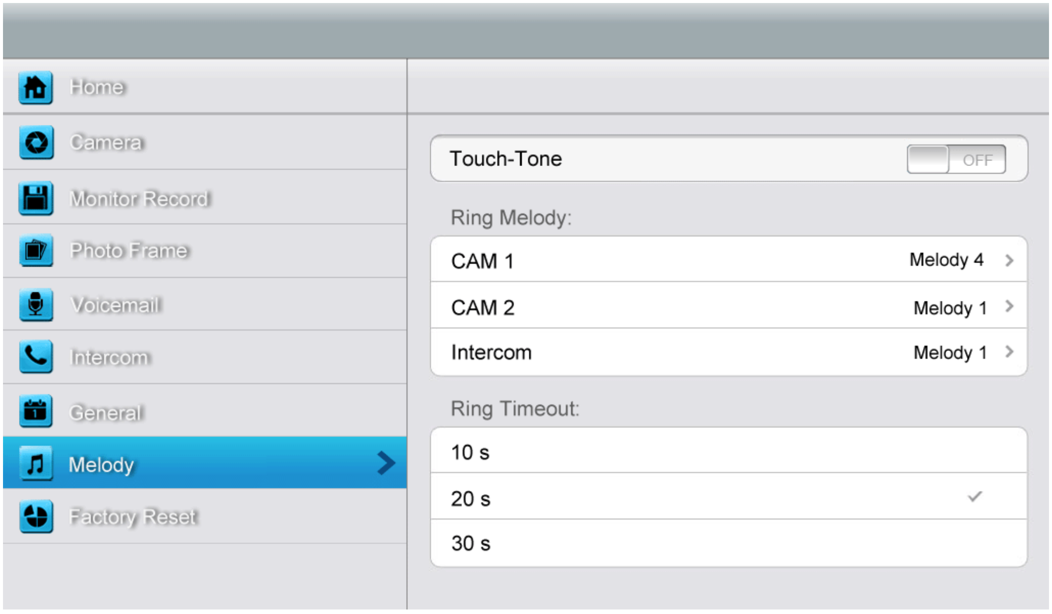
❖ **[General]** setting page



In this page, you can set up date & time; select a language and CCTV mode. Default option - CCTV mode 1.

Remark: The CCTV mode of every monitor should keep the same. With the CCTV mode of master monitor changing, the extensions' CCTV mode will change automatically. Note that you should set the master and extension properly.

❖ **[Melody]** setting page



In this page you can:

- Turn **[Touch Tone]** on or off.
- Select ring melody for door station 1, door station 2 and intercom.16 melodies for you to choose.

- Set ring timeout:10 s/20 s/30 s.

In **[Factory Reset]** setting page you can restore system to factory settings (except date & time, intercom address).

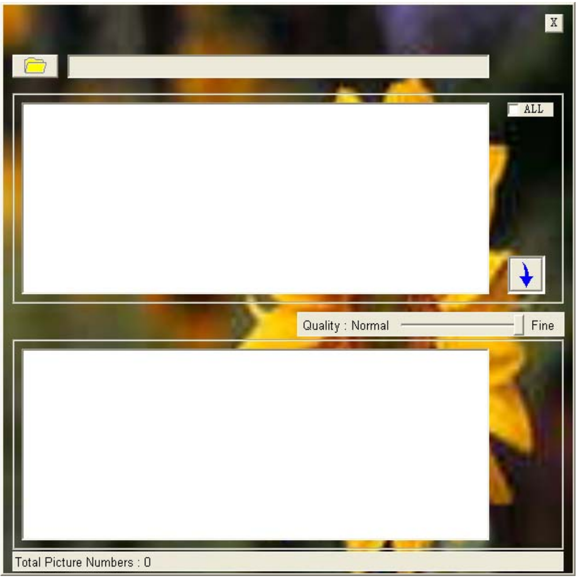
7. Specifications

Category	Specification
Input power	AC: 100V ~ 240V, 50Hz/60Hz DC: 14.5V
Power Consumption	Max: 12W, standby: 5W
TFT LCD	7 inch digital TFT LCD
LCD resolution	800(RGB) x 480
Connection with door station	Support two 4-wire door stations
Connection with CCTV	Support four 2-wire CCTV input
Connection with extension monitor	Support three extension monitors
Connection with audio phone	Support one 4-wire audio phone
Connection with video out	Support one 2-wire video out
Memory capacity	TF card: 1024 pictures, 128 videos Flash: 100 pictures
Dimensions (mm)	238mm (W) * 157mm(H) * 28.5mm(D)

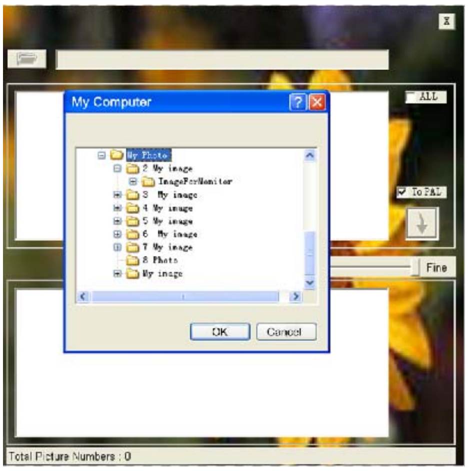
Appendix I: Converting image for photo frame

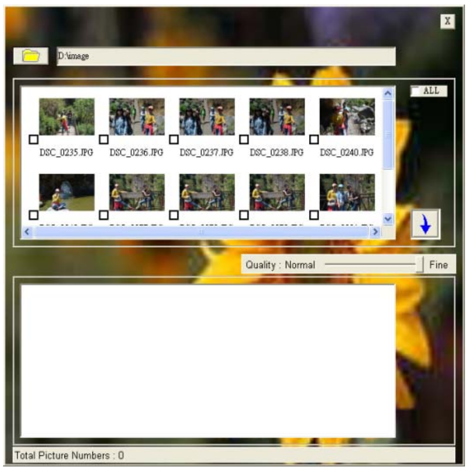
To use photo frame function, the video door phone needs specific formatted JPG image. We provide the program PhotoManager to convert the image.

1. Start the program and you will see the bellow interface.



2. Click  on the left top corner to import a target image folder.





3. Click and select the images you want to convert (support BMP, JPG and GIF).

4. Click  to convert. It will generate the “MarsJPG” folder under the source image folder.

5. Change the folder name to "PHOTO" and copy to the root directory of your TF card and insert the TF card to the monitor, and then you can use the photo frame function.